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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 4	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS 5	FEB 05	German (DE) application and patent publication number format changes
NEWS 6	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS 7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS 8	MAR 03	FRANCEPAT now available on STN
NEWS 9	MAR 29	Pharmaceutical Substances (PS) now available on STN
NEWS 10	MAR 29	WPIFV now available on STN
NEWS 11	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS 12	APR 26	PROMT: New display field available
NEWS 13	APR 26	IFIPAT/IFIUDB/IFICDB: New super search and display field available
NEWS 14	APR 26	LITALERT now available on STN
NEWS 15	APR 27	NLDB: New search and display fields available
NEWS 16	May 10	PROUSDDR now available on STN
NEWS 17	May 19	PROUSDDR: One FREE connect hour, per account, in both May and June 2004
NEWS 18	May 12	EXTEND option available in structure searching
NEWS 19	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 20	May 17	FRFULL now available on STN
NEWS 21	May 27	STN User Update to be held June 7 and June 8 at the SLA 2004 Conference
NEWS 22	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 23	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 24	May 27	Explore APOLLIT with free connect time in June 2004

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
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STRUCTURE FILE UPDATES: 9 JUN 2004 HIGHEST RN 691352-46-2
DICTIONARY FILE UPDATES: 9 JUN 2004 HIGHEST RN 691352-46-2

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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L1 HAS NO ANSWERS
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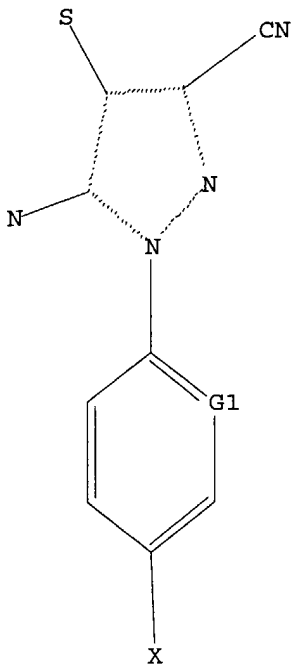

G1 C,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full
FULL SEARCH INITIATED 15:31:56 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2066 TO ITERATE

100.0% PROCESSED 2066 ITERATIONS 19 ANSWERS
SEARCH TIME: 00.00.01

L2 19 SEA SSS FUL L1

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.42	155.63

FILE 'CAPLUS' ENTERED AT 15:32:01 ON 10 JUN 2004

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FILE COVERS 1907 - 10 Jun 2004 VOL 140 ISS 24
FILE LAST UPDATED: 9 Jun 2004 (20040609/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2
L3 15 L2

=> d ibib abs hitstr tot

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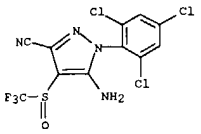
L3 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:589504 CAPLUS
DOCUMENT NUMBER: 139:133561
TITLE: Environment friendly reagents and process for haloalkylsulfinylation of organic compounds
INVENTOR(S): Bertrand, Guy; Romanenko, Vadim D.; Raynier, Bernard; Derrieu, Guy
PATENT ASSIGNEE(S): Virbac S.A., Fr.
SOURCE: Eur. Pat. Appl., 18 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1331222	A1	20030730	EP 2002-290184	20020128
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
WO 2003064384	A2	20030807	WO 2003-EP1515	20030128
WO 2003064384	A3	20031224		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: EP 2002-290184 A 20020128
OTHER SOURCE(S): MARPAT 139:133561
AB R1CO(R2CO)NS(O)R [R1R2 = optionally substituted or annelated C1-C20, linear, branched or cyclic alkanediyl, alkenediyl, alkynediyl; R = (un)substituted alkyl] were prepd. for use as haloalkylsulfinylating agents. Thus, lithiosuccinimide was treated with F3CS(O)Cl to give N-trifluoromethylsulfinylsuccinimide which was treated with 1-phenyl-3-methyl-5-aminopyrazole too give the 4-trifluoromethylsulfinyl deriv. in 82% yield.
IT **569337-28-6P**, 1-(2,4,6-Trichlorophenyl)-3-cyano-4-trifluoromethylsulfinyl-5-aminopyrazole
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of trifluoromethylsulfinylsuccinimide as trifluoromethylsulfinylating agent)
RN 569337-28-6 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-(2,4,6-trichlorophenyl)-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)

L3 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:516853 CAPLUS
DOCUMENT NUMBER: 139:85341
TITLE: Method for preparation of new N-substituted derivatives of 5-amino-1-phenylpyrazole, the derivatives, and their use as parasiticidal and/or insecticidal agents
INVENTOR(S): Bertrand, Guy; Romanenko, Vadim D.; Raynier, Bernard; Derrieu, Guy
PATENT ASSIGNEE(S): Virbac SA, Fr.
SOURCE: Fr. Demande, 87 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

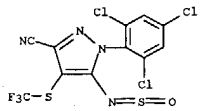
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2834288	A1	20030704	FR 2001-17018	20011228

PRIORITY APPLN. INFO.: FR 2001-17018 20011228
OTHER SOURCE(S): CASREACT 139:85341; MARPAT 139:85341
GI

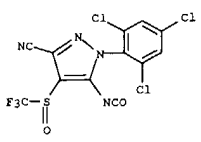
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention provides new derivs. of 5-amino-1-phenylpyrazoles, specifically I [wherein: A, B = H, (a)cyclic alk(en/yn)yl (optionally substituted by one or more halo, alkoxy, alkylthio, or alkoxycarbonyl), halo, cyano, thiocyano, nitro, sulfamido, (di)alkylamino, aminocarbonyl, aminothiocarbonyl, (di)alkylaminocarbonyl, (di)alkylaminothiocarbonyl, alkylcarbonylamino, alkylthiocarbonylamino, S(O)nR [n = 0, 1, or 2, and R = (a)cyclic, (un)satd. (halo)alkyl], Ph, phenylalkyl, or 4- to 7-membered heterocyclyl with 1-3 N/O/S/Si atom(s); R1, R2, R3, R4, and R5 = H, halo, (a)cyclic (un)satd. C1-6 (halo)alkyl, (halo)alkoxy, or (halo)alkylthio; Z = -N:C:O, -N:C:S, -N:S:O, -NHC(:X)R6, -NHC(:O)XR6, -NHC(:S)XR6, -NHC(:X)NR7R8; X = O or S; R6 = (un)substituted (a)cyclic alk(en/yn)yl, Ph, phenylalkyl, or heterocyclyl; R7, R8 = H, groups given for R6, dimeric unit of I; also Z = -N:C:N- forming a dimer of I; or Z = (un)substituted 1,2-thiazin-2-yl 1-oxide motif]. The invention also comprises processes for prepn. of I from corresponding amines I [Z = NH2], typically via reaction of the amines with phosgene, thiophosgene, or thionyl chloride, and optionally reaction of the resultant I [Z = isocyanato, isothiocyanato, or N-sulfinylamino (i.e., -N:S:O)]. Compds. I can be administered to vertebrates, particularly domesticated animals, either orally, topically, or parenterally. In general, I can be used to control both arthropods and nematodes which are parasites of both animals and plants, by application to either the hosts or their environments. Over 30 specific compds. were claimed per se. Examples (23) include synthesis, and both agrochem. and pharmaceutical formulations. For instance, the amine precursor II [Z = NH2] reacted with phosgene in anhyd. PhMe in the presence of 2 equiv pyridine to give II [Z = isocyanato] in 95% yield. Reaction of this isocyanate with 3,5-bis(trifluoromethyl)aniline gave title compd. III. Compds. I were against the stablefly Stomoxys calcitrans in a Petri dish expt., at dosages of 0.1 to 30 .mu.g/fly. An

L3 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
exemplary injectable contained 1% I, 30% Et oleate, and sesame oil qsp 100%, and was sterilized by membrane filtration.
IT **554415-74-6P**, 1-(2,4,6-Trichlorophenyl)-3-cyano-4-[(trifluoromethyl)thio]-5-(N-sulfinylamino)pyrazole
RL: AGR (Agricultural use); IMF (Industrial manufacture); PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; prepn. of aminophenylpyrazole derivs. as parasiticides and insecticides)
RN 554415-74-6 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-(sulfinylamino)-1-(2,4,6-trichlorophenyl)-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)

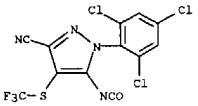


IT **554415-70-2P**, 1-(2,4,6-Trichlorophenyl)-3-cyano-4-[(trifluoromethyl)sulfinyl]-5-isocyanatopyrazole **554415-71-3P**
RL: AGR (Agricultural use); IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; prepn. of aminophenylpyrazole derivs. as parasiticides and insecticides)
RN 554415-70-2 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-isocyanato-1-(2,4,6-trichlorophenyl)-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)



RN 554415-71-3 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-isocyanato-1-(2,4,6-trichlorophenyl)-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)

L3 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

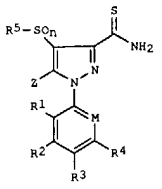
FORMAT

L3 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:107926 CAPLUS
DOCUMENT NUMBER: 136:146526
TITLE: Preparation of 1-phenylpyrazole derivatives as insecticides
INVENTOR(S): Manning, David Treadway; Pilato, Michael; Wu, Tai-Teh;
Hawkins, David William
PATENT ASSIGNEE(S): Rhone-Poulenc Agrochimie, Fr.
SOURCE: U.S. Pat. Appl. Publ., 17 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002016468	A1	20020207	US 1999-339176	19990624
PRIORITY APPLN. INFO.:			US 1999-339176	19990624

OTHER SOURCE(S): MARPAT 136:146526
GI



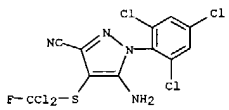
I

AB The 1-arylpyrazole-3-thiocarboxamide derivs. I (R1 = H or halo; R2, R4 = R1 or alkyl; R3 = halo, haloalkyl, haloalkoxy or R6SOm; R5 = alkyl, haloalkyl, alkenyl, alkynyl or cycloalkyl; R6 = alkyl or haloalkyl; Z = H, halo, alkyl, formyl, etc.; M = N, C-halo, C-Me, etc.; m, n = 0, 1 or 2) are prepd. as insecticides, esp. active against sucking insects.

IT **146628-02-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate in prepn. of pyrazolethiocarboxamide insecticide)

RN 146628-02-6 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-4-[(dichlorofluoromethyl)thio]-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

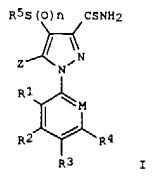


L3 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:479512 CAPLUS
DOCUMENT NUMBER: 129:95489
TITLE: Preparation of pyridylpyrazole derivatives as pesticides
INVENTOR(S): Manning, David Treadway; Pilato, Michael; Wu, Tai-teh;
Hawkins, David William
PATENT ASSIGNEE(S): Rhone-Poulenc Agrochimie, Fr.; Wu, Tai-Teh; Hawkins, David William
SOURCE: PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9828279	A1	19980702	WO 1997-EP7116	19971218
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, GW, HU, ID, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9857598	A1	19980717	AU 1998-57598	19971218
AU 747450	B2	20020516		
EP 948487	A1	19991013	EP 1997-953851	19971218
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI, RO				
CN 1242003	A	20000119	CN 1997-180937	19971218
BR 9714086	A	20000509	BR 1997-14086	19971218
JP 2001506665	T2	20010522	JP 1998-528351	19971218
AP 1004	A	20010828	AP 1999-1586	19971218
W: KE, SD, ZW				
MX 9905963	A	20000131	MX 1999-5963	19990623
BG 103592	A	20001130	BG 1999-103592	19990719
PRIORITY APPLN. INFO.:			US 1996-33885P P	19961224
			WO 1997-EP7116 W	19971218

OTHER SOURCE(S): CASREACT 129:95489; MARPAT 129:95489
GI



I

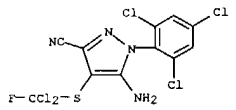
L3 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

AB The title compds. [I; W = C(:S)NH2; R1 = H, halo; R2, R4 = H, halo, alkyl;
R3 = halo, haloalkyl, etc.; R5 = lower alkyl, haloalkyl, alkenyl, etc.; Z = H, halo, alkyl, etc.; n = 0-2; M = C-halo, C-Me, N, etc.] are prepd. I are useful as pesticides. Thus, I (W = CN, R1 = Cl, R2 = R4 = H, R3 = CF3, R5 = Me, Z = H, n = 0, M = C-Cl) was treated with 15-crown-5 in DMF and aq. sodium hydrosulfide to give the title compd. I [W = C(:S)NH2, R1-R5, Z, n, M = same as above], which showed activity against Aphis gossypii and Schizaphis graminum at 10 ppm.

IT **146628-02-6P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyridylpyrazole derivs. as pesticides)

RN 146628-02-6 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-4-[(dichlorofluoromethyl)thio]-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

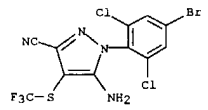
L3 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

trifluoromethylthiopyrazole with 4-trifluoromethylphenylboronic acid in the presence of Pd2(dba)3, K2CO3 in diglyme afforded I [X = N; Y = C(CN); W = C(SCF3); R5 = NH2; Z = C(Cl); R12 = Cl; R13, R15, R22, R23, R25, R26 = H; R24 = CF3]. The prepd. compds. I showed rather good activity on C. elegans.

IT **207136-58-1**
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of pesticidal 1-polyarylpyrazoles)

RN 207136-58-1 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-(4-bromo-2,6-dichlorophenyl)-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L3 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

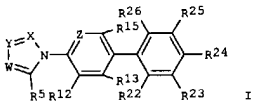
ACCESSION NUMBER: 1998:304135 CAPLUS
DOCUMENT NUMBER: 128:321643
TITLE: Preparation of pesticidal 1-polyarylpyrazoles
INVENTOR(S): Herman, Nancy Darnell; Huber, Scot Kevin; Huang, Jamin; Timmons, Philip
PATENT ASSIGNEE(S): Rhone-Poulenc Agrochimie, Fr.
SOURCE: Eur. Pat. Appl., 38 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 839810	A1	19980506	EP 1997-119154	19971103
EP 839810	B1	20020925		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI				
AT 224878	E	20021015	AT 1997-119154	19971103
ES 2179254	T3	20030116	ES 1997-119154	19971103
JP 10158240	A2	19980616	JP 1997-302250	19971104
US 5922884	A	19990713	US 1997-963631	19971104
US 6107322	A	20000822	US 1998-216878	19981221
US 6242475	B1	20010605	US 2000-606185	20000629
US 2002002195	A1	20020103	US 2001-832861	20010412
US 6433002	B2	20020813		
US 37936	E	20021210	US 2001-903990	20010713
US 2002193411	A1	20021219	US 2002-152806	20020523
US 6608093	B2	20030819		

PRIORITY APPLN. INFO.: US 1996-30128P P 19961104
US 1997-963631 A3 19971104
US 1998-216878 A3 19981221
US 2000-606185 A3 20000629
US 2001-832861 A3 20010412

OTHER SOURCE(S): MARPAT 128:321643

GI



I

AB The title compds. [I; X = N, CR2; Y = N, CR3; W = N, CR4; R2, R3 = H, halo, OH, etc.; R4 = H, halo, alkyl, etc.; R5 = H, halo, CHO, etc.; Z = N,
CR16; R12, R13, R15, R16 = H, halo, alkyl, etc.; R22-R26 = halo, alkyl, haloalkyl, etc.], useful to control pests, were prepd. Thus, reaction of 5-amino-3-cyano-1-(2,6-dichloro-4-bromophenyl)-4-

L3 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

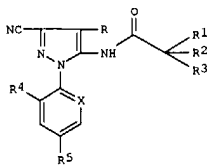
ACCESSION NUMBER: 1996:590912 CAPLUS
DOCUMENT NUMBER: 125:240887
TITLE: Pesticidal 1-aryl-5-(substituted alkyl (thio) amido)pyrazoles
INVENTOR(S): Huang, Jamin; Phillips, Jennifer L.
PATENT ASSIGNEE(S): Rhone-Poulenc Inc., USA
SOURCE: U.S., 24 pp., Cont.-in-part of U.S. Ser. No. 21, 717, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5556873	A	19960917	US 1993-169944	19931220
EP 811615	A1	19971210	EP 1996-108831	19960603
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE				

PRIORITY APPLN. INFO.: US 1993-21717 19930224
US 1993-169944 19931220

OTHER SOURCE(S): MARPAT 125:240887

GI



I

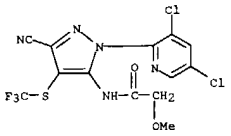
AB Novel 1-aryl-5-(substituted alkyl (thio)amido)pyrazoles wherein preferred compds. are of the formula (I) wherein: R is R6S(O)n in which n is 0, 1 or
2 and R6 is alkyl, preferably methyl; or haloalkyl, preferably trihalomethyl or dihalomethyl; and in which halo is F, Cl or Br or combinations thereof and most preferably CF3, CCl3, CF2Cl, CFCl2, CF2Br, CHF2, CHClF or CHCl2 ; R1 is H or alkyl; R2 is H or alkyl; R1 and R2 could
be together to form a 3-7 membered cyclic ring system; R3 is alkoxy, alkoxy(alkoxy)b [b=1-2], alkoxy(alkoxy)b alkyl [b=0-2], alkylS(O)c (c=0, 1, 2), alkylS(O)calkyl [c=0, 1, 2], alkyl-C(O)-; phenoxy, PhS(O)c, phenylalkoxy, pyridyloxy, pyridyl-S(O)c, optionally substituted with alkyl, halogen, alkoxy, haloalkyl, haloalkoxy, nitro, cyano, alkylthio. R2 and R3 could be together to form a 4-7 membered cyclic ring with 1-2 heteroatoms (e.g. O, S, S(O), S(O)2, NH, N-alkyl); R4 is: hydrogen; alkyl,
preferably methyl; or halogen, preferably F, Cl or Br; R5 is: halogen, preferably F, Cl or Br; alkyl, preferably methyl; haloalkyl, preferably trihalomethyl and more preferably trifluoromethyl; or haloalkoxy, preferably trihalomethoxy and more preferably trifluoromethoxy; and in

L3 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
which halo is F, Cl or Br or combinations thereof; and X is a nitrogen atom or C-R7 in which R7 is: hydrogen; halogen, preferably F, Cl or Br; cyano; alkyl, preferably Me or ethyl; alkylthio, preferably methylthio or ethylthio; or alkoxy, preferably methoxy or ethoxy and their use as pesticides esp. insecticides.

IT **181814-41-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and pesticidal activity of 1-aryl-5-(substituted alkyl (thio) amido)pyrazoles)

RN 181814-41-5 CAPLUS

CN Acetamide, N-[3-cyano-1-(3,5-dichloro-2-pyridinyl)-4-[(trifluoromethyl)thio]-1H-pyrazol-5-yl]-2-methoxy- (9CI) (CA INDEX NAME)



L3 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

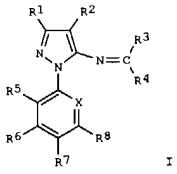
ACCESSION NUMBER: 1995:229475 CAPLUS
DOCUMENT NUMBER: 122:239694
TITLE: Pesticidal 1-aryl-5-(substituted alkylideneimino)pyrazoles
INVENTOR(S): Huang, Jamin; Ayad, Hafez M.; Timmons, Philip R.
PATENT ASSIGNEE(S): Rhone-Poulenc AG Co., USA
SOURCE: U.S., 24 pp. Cont.-in-part of U.S. Ser. No. 790,449, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5360910	A	19941101	US 1992-842431	19920304
US 5236938	A	19930817	US 1991-693580	19910430
CA 2067282	AA	19921031	CA 1992-2067282	19920427
AU 9215192	A1	19921105	AU 1992-15192	19920427
AU 655014	B2	19941201		
IL 101702	A1	19960331	IL 1992-101702	19920427
NO 9201639	A	19921102	NO 1992-1639	19920428
EP 511845	A1	19921104	EP 1992-303857	19920429
EP 511845	B1	20011031		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, PT, SE				
HU 61529	A2	19930128	HU 1992-1416	19920429
HU 213630	B	19970828		
PL 169737	B1	19960830	PL 1992-294383	19920429
RU 2088576	C1	19970827	RU 1992-5011630	19920429
AT 207904	E	20011115	AT 1992-303857	19920429
ES 2165353	T3	20020316	ES 1992-303857	19920429
PT 511845	T	20020429	PT 1992-303857	19920429
CN 1066265	A	19921118	CN 1992-103156	19920430
CN 1053659	B	20000621		
BR 9201735	A	19921124	BR 1992-1735	19920430
ZA 9203175	A	19930127	ZA 1992-3175	19920430
JP 05148240	A2	19930615	JP 1992-111958	19920430
JP 3248943	B2	20020121		
RO 107407	B1	19931130	RO 1992-598	19920430
SK 279252	B6	19980805	SK 1992-1337	19920430
CZ 286232	B6	20000216	CZ 1992-1337	19920430

PRIORITY APPLN. INFO.: US 1991-693580 A2 19910430
US 1991-790449 B2 19911112
US 1992-842431 A 19920304
CS 1992-1337 A 19920430

OTHER SOURCE(S): MARPAT 122:239694
GI

L3 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



I

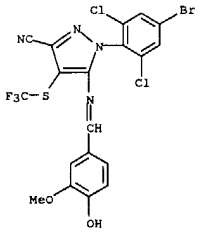
AB The invention describes novel 1-aryl-5-(substituted alkylideneimino)pyrazole of formula (I) wherein typically preferred substituents are: R1 is cyano, nitro, or halogen; R2 is R9S(O)n in which n is 0, 1 or 2 and R9 is alkyl, preferably Me which is substituted by halogen atoms which are the same or different up to full substitution of the alkyl moiety; R3 is hydrogen or alkyl; R4 is Ph or heteroaryl, optionally substituted by one or more hydroxy, halogen, alkoxy, alkylthio, cyano or alkyl or combinations thereof; preferably R4 is Ph, which is at least substituted by 3-hydroxy or 4-hydroxy; R5 is hydrogen, alkyl or halogen; R6 and R8 are hydrogen; R7 is halogen, alkyl, haloalkyl or haloalkoxy; and X is a nitrogen atom or CR14 in which R14 is hydrogen, halogen, cyano, alkyl, alkylthio or alkoxy. The invention further describes processes to make the compds., compns. of the compds., and methods of use of the compds. for the control of arthropods (mites, aphids or insects), nematodes, helminths, or protozoa. Pesticidal activity of I compds. providing 70-100% pest mortality was evaluated against buckthorn aphid, cotton aphid, southern armyworm, Mexican bean beetle, housefly, tobacco budworm, southern corn rootworm, western corn rootworm.

IT **145768-03-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(pesticidal 1-aryl-5-(substituted alkylideneimino)pyrazoles)

RN 145768-03-2 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 1-(4-bromo-2,6-dichlorophenyl)-5-[[(4-hydroxy-3-methoxyphenyl)methylene]amino]-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)

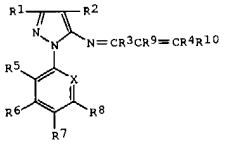
L3 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



L3 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1994:527876 CAPLUS
DOCUMENT NUMBER: 121:127876
TITLE: Pesticidal 1-aryl-5-(substituted n-cinnamylideneimino) pyrazoles
INVENTOR(S): Huang, Jamin; Manning, David T.
PATENT ASSIGNEE(S): Rhone-Poulenc Inc., USA
SOURCE: U.S., 21 pp. Cont. of U.S. Ser. No. 71,163, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5321040	A	19940614	US 1993-144262	19931028

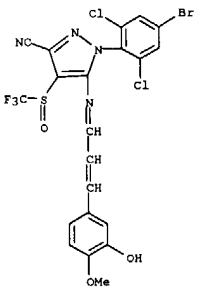
PRIORITY APPLN. INFO.: US 1993-71163 19930602
OTHER SOURCE(S): CASREACT 121:127876; MARPAT 121:127876
GI



I

AB Novel 1-aryl-5-(substituted alkylideneimino)pyrazoles (I; R1 = cyano, nitro or halogen; R2 = unsubstituted or substituted R11S(O)n, in which n = 0, 1 or 2 and R11 = alkyl or haloalkyl; R3 = R9 = R10 = H; R4 = unsubstituted or substituted Ph or pyridyl; R5 = H, halogen or alkyl; R6 = R8 = H or F; R7 = halogen, alkyl, haloalkyl or haloalkoxy; X = N or C-R16 in which R16 = H, halogen, CN, alkyl, alkylthio or alkoxy) were prepd. and used for the control of arthropods (mites, aphids or insects), nematodes, helminths, or protozoa.
IT **157043-81-7P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as pesticide)
RN 157043-81-7 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 1-(4-bromo-2,6-dichlorophenyl)-5-[[3-(3-hydroxy-4-methoxyphenyl)-2-propenylidene]amino]-4-

L3 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)



L3 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1994:298625 CAPLUS
DOCUMENT NUMBER: 120:298625
TITLE: Preparation of phenylpyrazoles as arthropodicides, nematocides, protozoacides, and anthelmintics
INVENTOR(S): Hatton, Leslie R.; Buntain, Ian G.; Hawkins, David W.; Parnell, Edgar W.; Pearson, Christopher J.
PATENT ASSIGNEE(S): UK
SOURCE: U.S., 76 pp. Cont.-in-part of U.S. Ser. No. 445,153, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

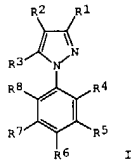
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5232940	A	19930803	US 1990-520290	19900507
IL 86493	A1	19921115	IL 1988-86493	19880525
IL 105138	A1	19940826	IL 1988-105138	19880525
HU 210668	B	19950628	HU 1991-1577	19880610
US 5547974	A	19960820	US 1993-57669	19930505
FI 9501839	A	19950418	FI 1995-1839	19950418
US 5608077	A	19970304	US 1995-454412	19950530
US 5714191	A	19980203	US 1995-453087	19950530
US 5916618	A	19990629	US 1997-947056	19971007
US 6372774	B1	20020416	US 1999-354903	19990716
DK 200201527	A5	20021010	DK 2002-1527	20021010

PRIORITY APPLN. INFO.:

GB 1985-31485	A	19851220
US 1986-943132	B1	19861218
GB 1987-13768	A	19870612
GB 1987-13769	A	19870612
US 1988-205238	B1	19880610
US 1988-205299	B1	19880610
US 1989-380333	B1	19890717
US 1989-413134	B1	19890927
US 1989-445153	B2	19891205
IL 1986-81025	A	19861218
IL 1988-86492	A	19880525
DK 1988-3140	L	19880609
FI 1988-2735	A	19880609
HU 1988-3009	A	19880610
US 1990-520290	A3	19900507
US 1993-57669	A3	19930505
US 1995-453087	A1	19950530
US 1996-652921	B1	19960524
US 1997-855876	B3	19970512
US 1998-137313	B3	19980821

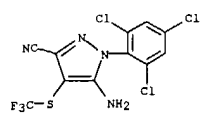
OTHER SOURCE(S): MARPAT 120:298625
GI

L3 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

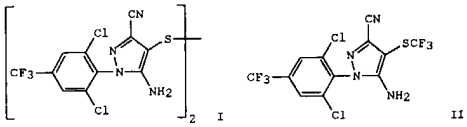


I

AB Title compds. [I; R1 = cyano, nitro, halo, acetyl, formyl, (halo)alkyl, etc.; R2 = R'SO2, R'SO, R'S, halo, cyano, nitro, cycloalkyl, alkenyl, thiocyanato, sulfamoyl, carbamoyl, alkoxycarbonyl, alkanoyl, (halo)alkyl; R' = (substituted) alkyl, alkenyl, alkynyl; R3 = H, (substituted) amino, alkoxycarbonyl, alkoxymethyleneamino, halo, cycloalkyl, cycloalkylcarbonyl, alkylsulfenylamino, trialkylsilylmethyl, etc.; R4-R8 = H, halo, nitro, cyano, (halo-substituted) alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl], were prepd. Thus, fuming nitric acid was added dropwise to 5-acetamido-3-bromo-1-(2,6-dichloro-4-trifluoromethylphenyl)pyrazole and acetic anhydride in acetic acid; the mixt. was stirred at 60.degree. for 5 h to give 5-acetamido-3-bromo-1-(2,6-dichloro-4-triflluoromethylphenyl)-4-nitropyrazole. Several I were effective against Plutella xylostella larvae, all stages of Megoura viciae, and Spodoptera littoralis larvae.
IT **120115-83-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as arthropodicide, nematocide, and anthelmintic)
RN 120115-83-5 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-(2,4,6-trichlorophenyl)-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)



L3 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1993:191618 CAPLUS
DOCUMENT NUMBER: 118:191618
TITLE: Reactions of bromotrifluoromethane and related halides. Part 12. Transformation of disulfides into perfluoroalkyl sulfides in the presence of sulfoxylate anion radical precursors
AUTHOR(S): Clavel, Jean Louis; Langlois, Bernard; Nantermet, Roland; Tordeux, Marc; Wakselman, Claude
CORPORATE SOURCE: Rhone-Poulenc Rech., Cent. Rech. Carrieres, Saint-Fons, 69192, Fr.
SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1992), (24), 3371-5
CODEN: JCPRB4; ISSN: 0300-922X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 118:191618
GI



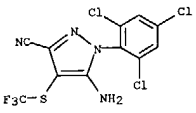
I II

AB Perfluoroalkyl sulfides are prepd. by reaction of perfluoroalkyl halides with disulfides in the presence of sulfoxylate anion radical precursors. Aliph., arom. and heteroarom. disulfides bearing cyano, ester and amino functional groups have been employed; a variety of perhaloalkanes can also be employed, e.g., CF3(CF2)nI, CF3Br, CF2Br2, CF2BrCl, CFCl3 and CF2ClCFCl2. The most convenient sulfoxylate anion radical precursor for this reaction is formed by a combination of sodium formate and sulfur dioxide. Thus, reaction of pyrazolyl disulfide I with HCO2Na and SO2 in DMF at 60.degree. and 12-13 bar for 4 h in an autoclave afforded perfluoroalkyl sulfide II in 85% yield. Also, reaction of PhSSPh with CF2BrCl and Rongalite (sodium hydroxymethanesulfinate) in DMF-H2O at 1.7 bar and 20.degree. for 6 h afforded PhSCF2Cl in 72% yield.

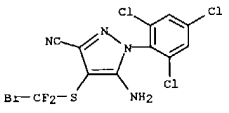
IT **130755-50-9**
RL: RCT (Reactant); RACT (Reactant or reagent)
(haloalkylation of, haloalkyl sulfide from)

RN 130755-50-9 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 4,4'-dithiobis[5-amino-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

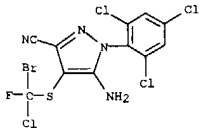
L3 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



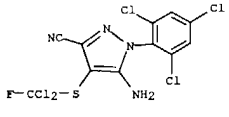
RN 130755-48-5 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-4-[(bromodifluoromethyl)thio]-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



RN 130755-51-0 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-4-[(bromochlorofluoromethyl)thio]-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

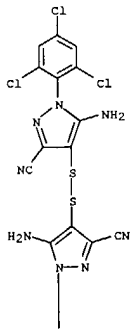


RN 146628-02-6 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-4-[(dichlorofluoromethyl)thio]-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

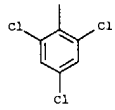


L3 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A



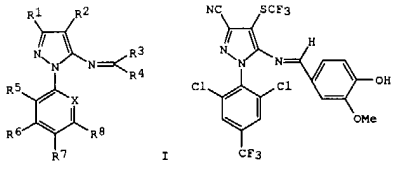
IT **120115-83-5P 130755-48-5P 130755-51-0P**
146628-02-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 120115-83-5 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-(2,4,6-trichlorophenyl)-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)

L3 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1993:101949 CAPLUS
DOCUMENT NUMBER: 118:101949
TITLE: Preparation of 1-aryl-5-(arylalkylideneimino)pyrazoles as pesticides
INVENTOR(S): Huang, Jamin; Ayad, Hafez Mohamed; Timmons, Philip Reid
PATENT ASSIGNEE(S): Rhone-Poulenc Agrochimie, Fr.
SOURCE: Eur. Pat. Appl., 55 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 511845	A1	19921104	EP 1992-303857	19920429
EP 511845	B1	20011031		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, PT, SE				
US 5236938	A	19930817	US 1991-693580	19910430
US 5360910	A	19941101	US 1992-842431	19920304
RU 2088576	C1	19970827	RU 1992-5011630	19920429
ZA 9203175	A	19930127	ZA 1992-3175	19920430
CZ 286232	B6	20000216	CZ 1992-1337	19920430
PRIORITY APPLN. INFO.:			US 1991-693580 A	19910430
			US 1991-790449 A	19911112
			US 1992-842431 A	19920304
			CS 1992-1337 A	19920430

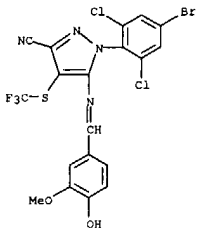
OTHER SOURCE(S): MARPAT 118:101949
GI



I II

AB Title compds. [I; R1 = cyano, O2N, halo, CHO, (cyclo)alkylcarbonyl; R2 = halo, (halo)alkyl, (halo)alkoxy, NO2, SCN, (substituted) sulfamoyl, carbamoyl, alkoxycarbonyl, R9SOn; R9 = (halo) (cyclo)alkyl, cycloalkylakyl; n = 0-2; R3 = H, alkyl, alkoxy, alkylthio, alkylamino; R4 = (substituted) heteroaryl, Ph; R5 = H, halo, alkyl; R6, R8 = H, F; R7 = (halo)alkyl, (halo)alkoxy, cyano, NO2, (halo)alkylcarbonyl, QSOn; Q = (halo)alkyl; X = N, CR14 wherein R14 = H, halo, cyano, NO2, alkyl alkylthio, alkoxy], were prepd. Thus, a mixt. of 5-amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-3-cyano-4-trifluoromethylsulfenylpyrazole, 4-hydroxy-3-methoxybenzaldehyde, and p-toluenesulfonic acid were refluxed 40 h in PhMe with removal of H2O to give 85% title compd. II. Numerous I

L3 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
as 100 ppm foliar or bait applications gave 70-100% kill of Spodoptera eridaria, Epilachna varivestis, Musca domestica, and Heliothis virescens.
IT **145768-03-2P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as pesticide)
RN 145768-03-2 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 1-(4-bromo-2,6-dichlorophenyl)-5-[[(4-hydroxy-3-methoxyphenyl)methylene]amino]-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)

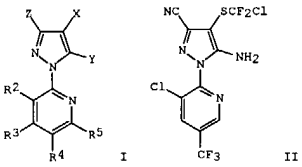


L3 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1992:634010 CAPLUS
DOCUMENT NUMBER: 117:234010
TITLE: Preparation of 1-(2-pyridyl)pyrazoles as pesticides
INVENTOR(S): Phillips, Jennifer Lantz; Timmons, Philip Reid; Powell, Gail Scotton; Pilato, Michael Thomas; Chou, David Teh Wei; Huang, Jamin
PATENT ASSIGNEE(S): Rhone-Poulenc Agrochimie, Fr.
SOURCE: Eur. Pat. Appl., 64 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

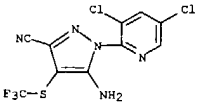
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 500209	A1	19920826	EP 1992-300467	19920120
EP 500209	B1	19970917		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, PT, SE				
NO 9200097	A	19920720	NO 1992-97	19920108
NO 179282	B	19960603		
NO 179282	C	19960911		
CA 2059088	AA	19920719	CA 1992-2059088	19920109
CA 2059088	C	20020618		
AU 9210251	A1	19930128	AU 1992-10251	19920115
AU 644259	B2	19931202		
BR 9200219	A	19921006	BR 1992-219	19920116
IL 100678	A1	19960119	IL 1992-100678	19920116
CZ 281976	B6	19970416	CZ 1992-130	19920116
FI 9200221	A	19920719	FI 1992-221	19920117
JP 05086054	A2	19930406	JP 1992-44353	19920117
JP 3140829	B2	20010305		
HU 62571	A2	19930528	HU 1992-170	19920117
HU 208534	B	19931129		
RO 109940	B1	19950728	RO 1992-149204	19920117
PL 168730	B1	19960329	PL 1992-293228	19920117
RU 2088580	C1	19970827	RU 1992-5010813	19920117
CN 1063283	A	19920805	CN 1992-100330	19920118
CN 1041269	B	19981223		
AT 158290	E	19971015	AT 1992-300467	19920120
ES 2106821	T3	19971116	ES 1992-300467	19920120
US 5306694	A	19940426	US 1993-79221	19930617
CN 1208036	A	19990217	CN 1998-106376	19980408
CN 1103771	B	20030326		

PRIORITY APPLN. INFO.: US 1991-643530 A 19910118
OTHER SOURCE(S): MARPAT 117:234010
GI

L3 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

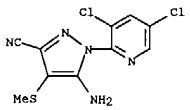


AB Title compds. [I; X = halo, NO2, (halo-substituted) alkylsulfenyl, alkylsulfinyl, alkylsulfonyl; Y = H, halo, cyano, alkylsulfenyl, alkylsulfinyl, alkylsulfonyl, alkoxy, (di)(alkyl)amino, trialkylammonium, cyanoalkylamino, alkoxyalkylamino, alkoxycarbonylamino, (halo)alkylcarbonylamino, (di)alkylaminocarbonylamino, alkoxyalkylideneimino; Z = halo, cyano; R2-R5 = H, halo, (halo)alkyl, (halo)alkoxy, cyano, NO2; .gtoreq.1 of R2-R5 H], were prepd. as insecticides, miticides, anthelmintics, protozoacides, and nematocides. Thus, NCCH:C(ONa)CO2Et in ice water was treated with dil. H2SO4 to give crude ketoester, which was refluxed with 2-hydrazino-3-chloro-5-trifluoromethylpyridine and NaHCO3 in EtOH to give 1-[2-(3-chloro-5-trifluoromethyl)pyridyl]-3-ethoxycarbonyl-5-aminopyrazole. This was condensed with ClF2CSCl in AcOH and the product was amidated with dimethylaluminum amide followed by dehydration with POCl3 to give title compds. II. Numerous I as 100 ppm foliar or bait applications gave 70-100% control of Aphis nasturtil, Spodoptera eridonia, Epilochna varivestis, etc.
IT **144292-76-2P 144292-89-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as arthropodicide, nematocide, anthelmintic, and protozoacide)
RN 144292-76-2 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-(3,5-dichloro-2-pyridinyl)-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)



RN 144292-89-7 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-(3,5-dichloro-2-pyridinyl)-4-(methylthio)- (9CI) (CA INDEX NAME)

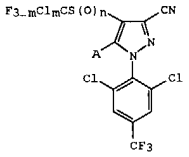
L3 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



L3 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1991:429320 CAPLUS
DOCUMENT NUMBER: 115:29320
TITLE: N-phenylpyrazole derivatives as insecticides
INVENTOR(S): Roberts, David Alan; Hawkins, David William; Buntain, Ian George; McGuire, Ross
PATENT ASSIGNEE(S): Rhone-Poulenc Agriculture Ltd., UK
SOURCE: Eur. Pat. Appl., 18 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 418016	A1	19910320	EP 1990-309882	19900910
EP 418016	B1	19950503		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
ZA 9006802	A	19911127	ZA 1990-6802	19900827
NO 9003908	A	19910312	NO 1990-3908	19900907
AU 9062312	A1	19910314	AU 1990-62312	19900907
AU 649230	B2	19940519		
CA 2024955	AA	19910312	CA 1990-2024955	19900910
HU 54868	A2	19910429	HU 1990-5850	19900910
HU 208231	B	19930928		
CN 1053233	A	19910724	CN 1990-107675	19900910
BR 9004697	A	19910910	BR 1990-4697	19900910
DD 297641	A5	19920116	DD 1990-343914	19900910
RO 107255	B1	19931030	RO 1990-145905	19900910
PL 163642	B1	19940429	PL 1990-286822	19900910
AT 122038	E	19950515	AT 1990-309882	19900910
CZ 279476	B6	19950517	CZ 1990-4387	19900910
ES 2071777	T3	19950701	ES 1990-309882	19900910
JP 03118369	A2	19910520	JP 1990-241032	19900911
JP 3100053	B2	20001016		

PRIORITY APPLN. INFO.: GB 1989-20521 A 19890911
OTHER SOURCE(S): MARPAT 115:29320
GI



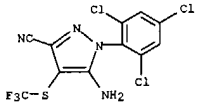
I

L3 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

AB The title compds. (I; A = iodo, Br, H, NH2; m = 1,2; n = 0, 1, 2), useful for controlling arthropod, plant nematode, helminth, or protozoal pests, are prepd. Thus, a soln. of I [A = NH2, F3-mClmCS(O)n = CHClF2S] in dry THF was added to tert-BuONO2 at room temp. and the mixt. was stirred 3 days at room temp. to give I [A = H, F3-mClmCS(O)n = CHClF2S]. I at .ltoreq.500 ppm gave 60% mortality against the larvae of Plutella xylostella.

IT **120115-83-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for pesticidal phenylpyrazole)

RN 120115-83-5 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-(2,4,6-trichlorophenyl)-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)

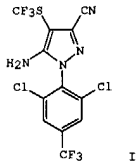


L3 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1991:5483 CAPLUS
DOCUMENT NUMBER: 114:5483
TITLE: Preparation of perhaloalkyl thioethers from disulfides
and perfluoroalkyl halides, and its application to pyrazole derivatives
INVENTOR(S): Clavel, Jean Louis; Langlois, Bernard; Nantermet, Roland; Tordeux, Marc; Wakselman, Claude
PATENT ASSIGNEE(S): Rhone-Poulenc Agrochimie, Fr.
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 374061	A1	19900620	EP 1989-420489	19891212
EP 374061	B1	19940615		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FR 2640264	A1	19900615	FR 1988-16710	19881213
FR 2640264	B1	19910125		
FR 2652810	A1	19910412	FR 1989-13371	19891009
FR 2652810	B1	19930730		
CA 2004776	AA	19900613	CA 1989-2004776	19891206
CA 2004776	C	20000425		
IL 92639	A1	19961016	IL 1989-92639	19891211
DK 8906265	A	19900614	DK 1989-6265	19891212
AU 8946164	A1	19900621	AU 1989-46164	19891212
AU 640621	B2	19930902		
HU 55738	A2	19910628	HU 1989-6508	19891212
HU 206661	B	19921228		
US 5082945	A	19920121	US 1989-448983	19891212
ES 2055145	T3	19940816	ES 1989-420489	19891212
RU 2045517	C1	19951010	RU 1989-4742646	19891212
FI 95568	B	19951115	FI 1989-5938	19891212
FI 95568	C	19960226		
CZ 282729	B6	19970917	CZ 1989-7022	19891212
CN 1043499	A	19900704	CN 1989-109370	19891213
CN 1032201	B	19960703		
JP 02204477	A2	19900814	JP 1989-323662	19891213
JP 2746707	B2	19980506		
BR 8906521	A	19900828	BR 1989-6521	19891213
ZA 8909519	A	19910828	ZA 1989-9519	19891213
US 5283337	A	19940201	US 1991-789332	19911108

PRIORITY APPLN. INFO.: FR 1988-16710 A 19881213
FR 1989-13371 A 19891009
US 1989-448983 A3 19891212
OTHER SOURCE(S): MARPAT 114:5483
GI

L3 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

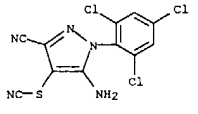


I

AB Perhaloalkyl thioethers are prepd. by reaction of disulfides with perfluoroalkyl halides and reducing agents formed from (a) SO2 and either Zn, Cd, Al, or Mn, or (b) an alkali metal dithionite, or (c) an alkali metal, alk. earth, or other metal hydroxymethanesulfinate, or (d) a formate and SO2. For example, reaction of Ph2S2 with Na dithionite and CF3Br(g) in aq. DMF contg. Na2HPO4 at 20.degree. gave 65% PhSCF3. Pyrazole deriv. I was similarly prepd. using SO2 and Na formate with 95% conversion and 90% yield. Various aliph., arom., and pyrazole-derived thioethers were prepd.; yields ranged from 6 to 93%.

IT **130755-49-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and hydrolysis-dimerization of)

RN 130755-49-6 CAPLUS
CN Thiocyanic acid, 5-amino-3-cyano-1-(2,4,6-trichlorophenyl)-1H-pyrazol-4-yl ester (9CI) (CA INDEX NAME)

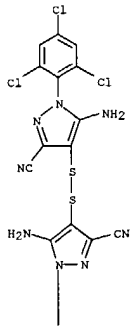


IT **130755-50-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, with fluoroalkyl halides and reducing agents)

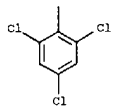
RN 130755-50-9 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 4,4'-dithiobis[5-amino-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

PAGE 1-A

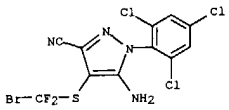


PAGE 2-A

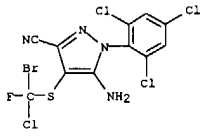


IT **130755-48-5P 130755-51-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, by reaction of disulfide with fluoroalkyl halide and reducing agent)
RN 130755-48-5 CAPLUS
CN 1H-Pyrazole-3-carbonitrile,
5-amino-4-[(bromodifluoromethyl)thio]-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

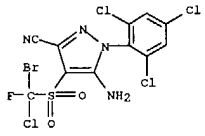
L3 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 130755-51-0 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-4-[(bromochlorofluoromethyl)thio]-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

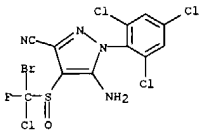


IT **130755-52-1P 131960-95-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, via reaction of disulfide with reducing agent and fluoroalkyl halide)
RN 130755-52-1 CAPLUS
CN 1H-Pyrazole-3-carbonitrile,
5-amino-4-[(bromochlorofluoromethyl)sulfonyl]-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



RN 131960-95-7 CAPLUS
CN 1H-Pyrazole-3-carbonitrile,
5-amino-4-[(bromochlorofluoromethyl)sulfinyl]-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



L3 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1990:35845 CAPLUS
DOCUMENT NUMBER: 112:35845
TITLE: N-phenylpyrazole derivatives as pesticides for plants, animals, and man, and their preparation, compositions, and use
INVENTOR(S): Buntain, Ian George; Hatton, Leslie Roy; Hawkins, David William; Pearson, Christopher John; Roberts, David Alan
PATENT ASSIGNEE(S): May and Baker Ltd., UK
SOURCE: Eur. Pat. Appl., 40 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

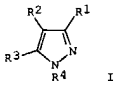
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 295117	A1	19881214	EP 1988-305306	19880610
EP 295117	B1	20000405		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
IL 86492	A1	19930708	IL 1988-86492	19880525
IL 105138	A1	19940826	IL 1988-105138	19880525
DK 8803140	A	19881213	DK 1988-3140	19880609
FI 8802735	A	19881213	FI 1988-2735	19880609
NO 8802551	A	19881213	NO 1988-2551	19880609
NO 175367	B	19940627		
NO 175367	C	19941005		
AU 8817554	A1	19881215	AU 1988-17554	19880609
AU 618266	B2	19911219		
RO 100612	B1	19920707	RO 1988-133912	19880609
RO 106496	B1	19930531	RO 1988-144353	19880609
JP 63316771	A2	19881226	JP 1988-143451	19880610
ZA 8804179	A	19890222	ZA 1988-4179	19880610
HU 48875	A2	19890728	HU 1988-3009	19880610
HU 203729	B	19910930		
PL 153478	B1	19910430	PL 1988-272998	19880610
CA 1330089	A1	19940607	CA 1988-569272	19880610
HU 210668	B	19950628	HU 1991-1577	19880610
SK 278972	B6	19980506	SK 1988-4052	19880610
CZ 285151	B6	19990512	CZ 1988-4052	19880610
EP 967206	A1	19991229	EP 1999-113797	19880610
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 191479	E	20000415	AT 1988-305306	19880610
ES 2144390	T3	20000616	ES 1988-305306	19880610
CN 88103601	A	19881228	CN 1988-103601	19880611
CN 1027341	B	19950111		
KR 9701475	B1	19970206	KR 1988-7045	19880611
BR 8803258	A	19890131	BR 1988-3258	19880613
DD 281744	A5	19900822	DD 1988-316723	19880613
DD 281744	B5	19970220		
RU 2051909	C1	19960110	RU 1991-4894762	19910315
FI 9501839	A	19950418	FI 1995-1839	19950418
HK 1005289	A1	20010209	HK 1998-102258	19980318
GR 3033663	T3	20001031	GR 2000-401350	20000614
DK 200201527	A5	20021010	DK 2002-1527	20021010

PRIORITY APPLN. INFO.: GB 1987-13768 A 19870612

L3 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

IL 1988-86492	A	19880525
DK 1988-3140	L	19880609
FI 1988-2735	A	19880609
EP 1988-305306	A3	19880610
HU 1988-3009	A	19880610

OTHER SOURCE(S): MARPAT 112:35845
GI



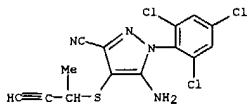
I

AB The title compds. [I; R1 = cyano, NO2, halo, Ac, CHO; R2 = R5S(O)n where n = 0, 1, or 2; R5 = (.ltoreq.1 halo-substituted) straight- or branched-chain .gtoreq.4 alkyl, alkenyl, or alkynyl; R3 = H, NR6R7, halo, straight- or branched-chain C2-5 alkoxymethyleneamino (un)substituted on methylene by a straight- or branched-chain C1-4 alkyl; R6, R7 = H, straight- or branched-chain .ltoreq.5 alkyl, alkenylalkyl, or alkynylalkyl, CHO, (.ltoreq.1 halo-substituted) straight- or branched-chain C2-5 alkanoyl or alkoxycarbonyl, or NR6R7 = 5- or 6-membered cyclic imido; R4 = 2- or 6-halo- or 4-straight- or branched-chain (Cl- or Br-substituted) alkyl- or alkoxy-substituted phenyl; with the exclusion of the compd. wherein R1 = cyano, R2 = MeSO2, R3 = NH2 and R4 = 2,6,4-Cl2(CF3)C6H2], useful for control of arthropod, plant nematode, helminth and protozoan pests (no data except insects), were prepd. A stirred soln. of 20 g 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)pyrazole in CH2Cl2 was treated dropwise with a soln. of 10.8 g CF3SCl in CH2Cl2 during 1 h. The resulting soln. was stirred overnight at room temp. to give 24.2 g 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylthiopyrazole (II). I at <500 ppm caused at least 65% mortality against Plutella xylostella larvae. A water-sol. conc. was formulated from II 7, Ethylan BCP 10% w/v and N-methylpyrrolidone 1004 by vol.

IT **120069-19-4**
RL: RCT (Reactant); RACT (Reactant or reagent)
(oxidn. of)

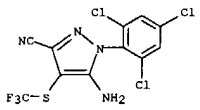
RN 120069-19-4 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-4-[(1-methyl-2-propynyl)thio]-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



IT **120115-83-5P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as pesticide)

RN 120115-83-5 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-(2,4,6-trichlorophenyl)-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)



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=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	72.22	227.85

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-10.40	-10.40

STN INTERNATIONAL LOGOFF AT 15:33:08 ON 10 JUN 2004

Kamal Saeed